

Transportation/Distribution Systems



MARINE CORPS TACK-ON

UNCLASSIFIED

*Mr. Joe Rothrock LPD-1
GySgt Carl Thomas
MARCORSYSCOM*



Transportation/Distribution Systems



- HQMC Freight :
 - LPD-1
 - DSN 225-7930
 - Commercial (703) 695-7930
 - Facsimile 225-8160 or (703) 695-8160
 - Mr. Joseph W. Rothrock (joseph.rothrock@usmc.mil)
 - Ms. Connie Graham (connie.graham.ctr@usmc.mil)



Transportation/Distribution Systems



- **Program Manager Responsibilities Transfer:**
 - LPD-1 historically was FAM/PM for Joint Systems
 - In process of transferring PM responsibilities to PG-10
 - Proper place is Acquisitions (MARCORSYSCOM)
 - MCO 4000.57 applies
 - New Capt Billet (TOCR)
 - Fill during Jul/Aug 09
 - New SNCO Billet (OverStaff)
 - Fill Aug/Sept 09
 - MARCORSYSCOM to Create/Stand-up DMOS Section



Transportation/Distribution Systems



- **CMOS:**
- Contractual Issues with ver 8.0
- Segregated requirements into ver 7.3, 7.4, 7.5
 - Version 7.3 DT&E Testing
 - 23-Mar – 6 Apr 09
 - Possible Sept 09 Implementation
 - Version 7.4 - Sept 10
 - Version 7.5 - Sept 11
- I2P/OSI2P
 - FedEx/UPS/DHL web services running
 - Available if you want to use it
 - Miramar and Beaufort using
- DTTS Indicator - Please use it
 - Does away with FAXing
- GATES Indicator



Transportation/Distribution Systems



- Container Intrusion Detection Device (CIDD)
 - CENTCOM Msg
 - LPD working with LPV, MARCENT, LOGCOM and MARCORSYSCOM on Strategy

Who, What, When, Where, etc.



AMS-TAC LTMITV



- Conducted Functional Requirements Board (FRB) 9-13 Mar 09
- Semi-Annual Event
 - One Face to Face
 - One Tele-conf



Transportation/Distribution Systems



- USTRANSCOM
 - Quiet
 - Contract renewal



Functional Review Board

Process



- **FRB**
 - LogPfM IPT Approval
 - Statement Of Work (SOW)
 - Rough Order of Magnitude (ROM)
 - Contract Award
 - Contractor Development of Requirements
 - Testing
 - Information Assurance (IA)
 - Deployment/Training
- From FRB to deployment: approx 2 years

UNCLASSIFIED



Passive RFID

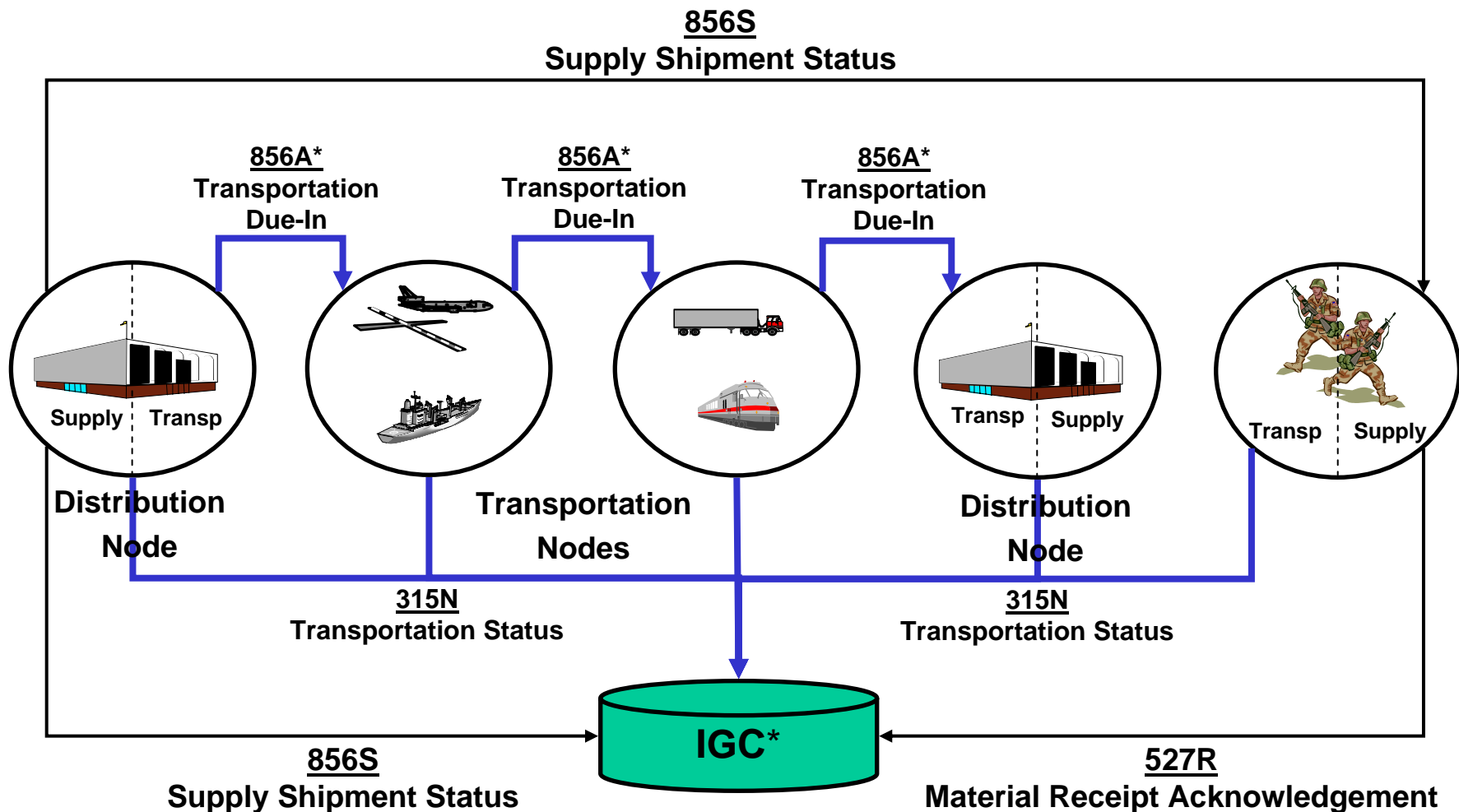


- DoD AIT Retail/In theater Team
 - LPD/LPC Team Members
 - DLA Garrison Initiative
 - Dedicated DLA Truck
 - Lejeune Pilot test
 - I & III MEF
 - Navy pRFID
 - Possible synergy
 - Miramar/Yuma ?



Nodal Visibility

New Supply/Transportation 315 Transaction



UNCLASSIFIED



GCSS-MC

Program Overview



- **Lifecycle Status:**
 - Block 1, Release 1.1 is in development and preparing for entering Gov't Development Testing & Evaluation (GDT&E) in Apr 09.
- **Release 1.1** will provide logistics enterprise capabilities of Request Management, Order Management, Capacity Management, Production Management, and Fulfillment Execution to a representative set of Marine units as follows:
 - III MEF (all)
 - I/II MEF (Maint Bn/Sup Bn, Marine Logistics Group [MLG] HQs only)
 - Supporting Establishment, Logistics Command (LOGCOM)
 - Marine Force Reserve (MFR) SMU.



GCSS-MC

Program Overview



- Release 1.2 will provide fielding to all MEFs and associated MEU's with the associated functional capabilities in an austere/immature operating environment.
- Systems Replace/Retire
 - Supported Activities Supply System (SASSY)
 - Marine Corps Integrated Maintenance Management System (MIMMS)
 - PC MIMMS
 - Asset Tracking, Logistics, and Supply System (ATLASS I).



GCSS-MC

Program Overview



- **Background (as of 22 Jan 09)**
- 17 Jul 2008, GCSS-MC Program Update to IRB identified potential breach
- 30 Sep 2008, MAIS Quarterly Report identified critical breaches in:
 - Cost, Schedule, Time Certain Development (failure to achieve Initial Operating Capability (IOC) within five years of Milestone A)
- Sep 2008, ASN(RDA) established Critical Change Team (CCT) to assess program as required by Title 10, US Code 2445 Chapter 144a.
- 21 Nov 2008, Commandant, Marine Corps reaffirmed need for GCSS-MC



GCSS-MC

Program Overview



- 16 Jan 2009, CCT final report, dated 18 December, forwarded to USD (AT&L) for transmittal to Congressional Defense Committees.
 - CCT assessed program need, cost, schedule and management structures as reasonable and determined there were no viable alternatives
- 16 Jan 2009, ASN(RDA) proposed that USD (AT&L) direct GCSS-MC execute rebaselined program via Acquisition Decision Memorandum (ADM).
- 30 Jan 2009, USD (AT&L) to forward the certified GCSS-MC CCT report to Congress.



GCSS-MC/LCM Block 1

Rebaselined Schedule



Notes:

1. Pct supported is a function of available network capability
2. Assessment of Rel 1.1 during OT will be used to prioritize resources relative to Rel 1.2

Pct of USMC Supported

100
75
50
25

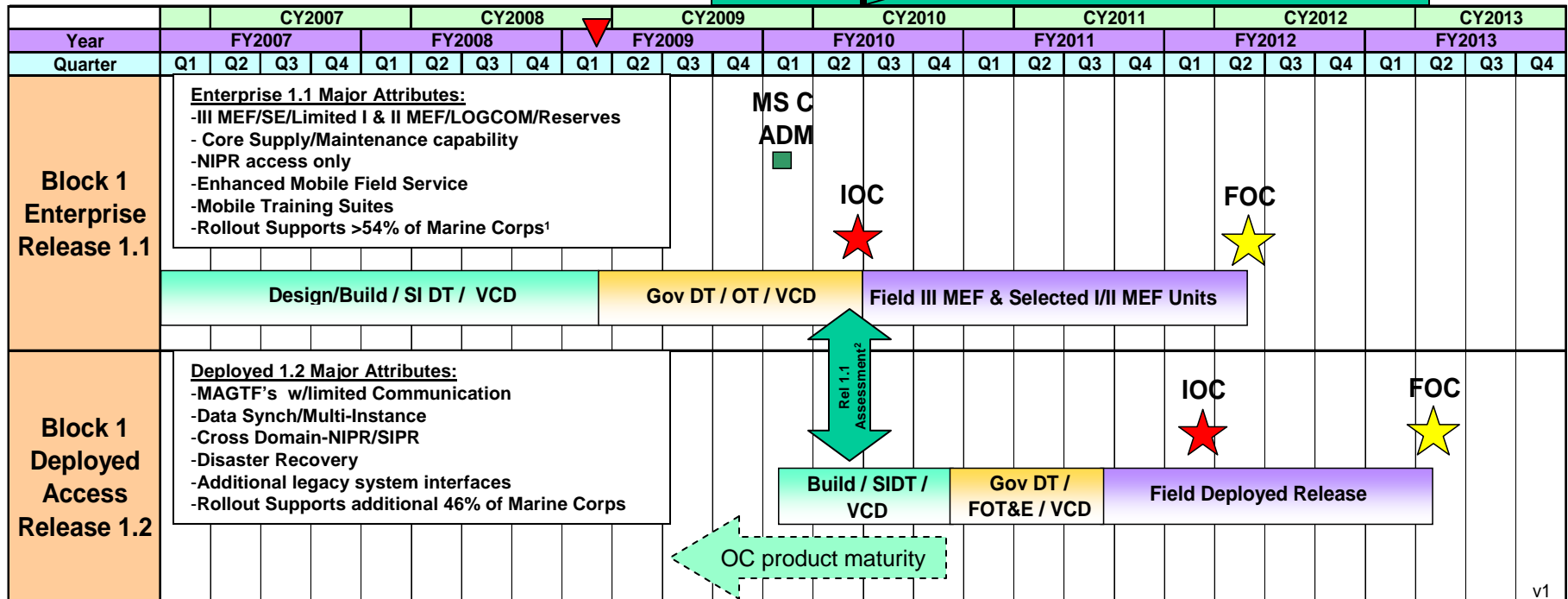
Capability Delivered By Rebaselined Plan

Shore Establishment & Units with Guaranteed BW/Low Latency Comms

Deployers

Reliance on Stove-piped Legacy Systems Decreases Proportionally

Full Block 1 Functionality Accessible by all Units



Note: Pre-decisional Rebaseline dates are notional until APB is re-baselined

Delivers functionality sooner; reduces risk for each release.

UNCLASSIFIED

Updated 12 Nov 2008



System Interface Diagram

Red Text = FOC

Scope A

FOR OFFICIAL USE ONLY
(Refer to DoD 5200.1-R Appendix 3, AP3.2)
DISTRIBUTION STATEMENT D

Distribution authorized to the Department of Defense and U.S. DoD contractors only. This document contains administrative and operational information as determined January 2007. Other requests for this document shall be referred to the contact listed in the Prepared For block below.

DESTRUCTION NOTICE

Record copies of FOUO documents shall be disposed of in accordance with the Federal Records Act (Title 44 Chapter 33 United States Code), and Marine Corps records management directives. Non-record FOUO documents may be destroyed by shredding or tearing into pieces and discarding the pieces in regular trash containers.

CMOS (Multiple Locations)				
Name	RICE Ref	Dir	Format	Freq.
Delivery	I-042	O	EDI X-12	Demand
Delivery	I-046	I	Flat File	Demand

ODSE (Mechanicsburg, PA)				
SFTP				
Name	RICE Ref	Dir	Format	Freq.
HR Personnel	I-016	I	Flat File	2 X / Month
TCA Relationship *concurrent job from I-016)	I-018	N/A	GCSS-MC Base Table	Daily

ITEM APPS (St. Louis, MO)				
FTP (VPN)				
Name	RICE Ref	Dir	Format	Freq.
Master Items	I-001	I	Flat File	Daily
BOM Items	I-002	I	Flat File	Weekly

TDMS (St. Louis, MO)				
FTP (VPN)				
Name	RICE Ref	Dir	Format	Freq.
Master Item	I-001	I	Flat File	Daily
NIIN Cage Code	I-113	I	Flat File	Daily
Item Relationship	I-116	I	Flat File	Daily

STRATIS (Multiple Locations)				
eXML & HTTPS				
Name	RICE Ref	Dir	Format	Freq.
Inventory	I-033	O	XML	Daily
Shipment	I-009	I	XML	Daily
Sales Order	I-112	O	XML	4x per Day
Pick Release/Ship Confirm	I-108	I	XML	Demand
Subinventory Transfer / Condition	I-135	I	XML	Demand
Subinventory Transfer / Condition	I-137	O	XML	Demand
Inv Misc Recl/Issue	I-014	I	XML	Demand
STRATIS Due-Ins	I-111	O	XML	Daily
Master Header Reconciliation	I-136	O	XML	Daily

DAAS (Kansas City)				
SFTP				
Name	RICE Ref	Dir	Format	Freq.
Purchase Order	I-032	O	EDI/X-12	Demand
Advanced Shipment Notice	I-125	I	EDI/X-12	Demand
Advanced Shipment Notice	I-041	O	EDI/X-12	Hourly

DODAAD (Battle Creek)				
Name	RICE Ref	Dir	Format	Freq.
Customer	I-015	I	Flat File	Daily

CAGE (Battle Creek)				
Name	RICE Ref	Dir	Format	Freq.
Vendor	I-017	I	Flat File	Daily

MDC (Columbus, OH)				
HTTPS (Web Service)				
Name	RICE Ref	Dir	Format	Freq.
Vendor	I-017	I	XML	Daily
Customer	I-015	I	XML	Daily

ADR (DEERS) (Seaside, CA)				
HTTPS (Web Service)				
Name	RICE Ref	Dir	Format	Freq.
Identity Management	I-020	I/O	Web Services	Demand

MDSS-II (Multiple Locations)				
FTPS				
Name	RICE Ref	Dir	Format	Freq.
Gain / Losses Inventory	I-115	I	XML	Demand

ITV (OK City, OK)				
SFTP				
Name	RICE Ref	Dir	Format	Freq.
RFD Shipment	I-019	I	XML	Demand

SABRS (Kansas City & St. Louis)				
HTTPS (Web Service) & FTP/MPN				
Name	RICE Ref	Dir	Format	Freq.
GL Journal (FTP/MPN)	I-025	O	Flat File	FTP/MPN
GL Fund Check (HTTPS)	I-021	I/O	XML	Demand

WRS (St. Louis, MO)				
FTP (VPN)				
Name	RICE Ref	Dir	Format	Freq.
Minimum Stock	I-005	I	Flat File	Monthly
Inventory	I-030	O	Flat File	Daily
Purchase Order	I-008	I	Flat File	Demand
Shipment Receipt	I-031	O	Flat File	Daily
Maintenance Demand	I-133	O	Flat File	Quarterly
Retail Demand	I-039	O	Flat File	Monthly

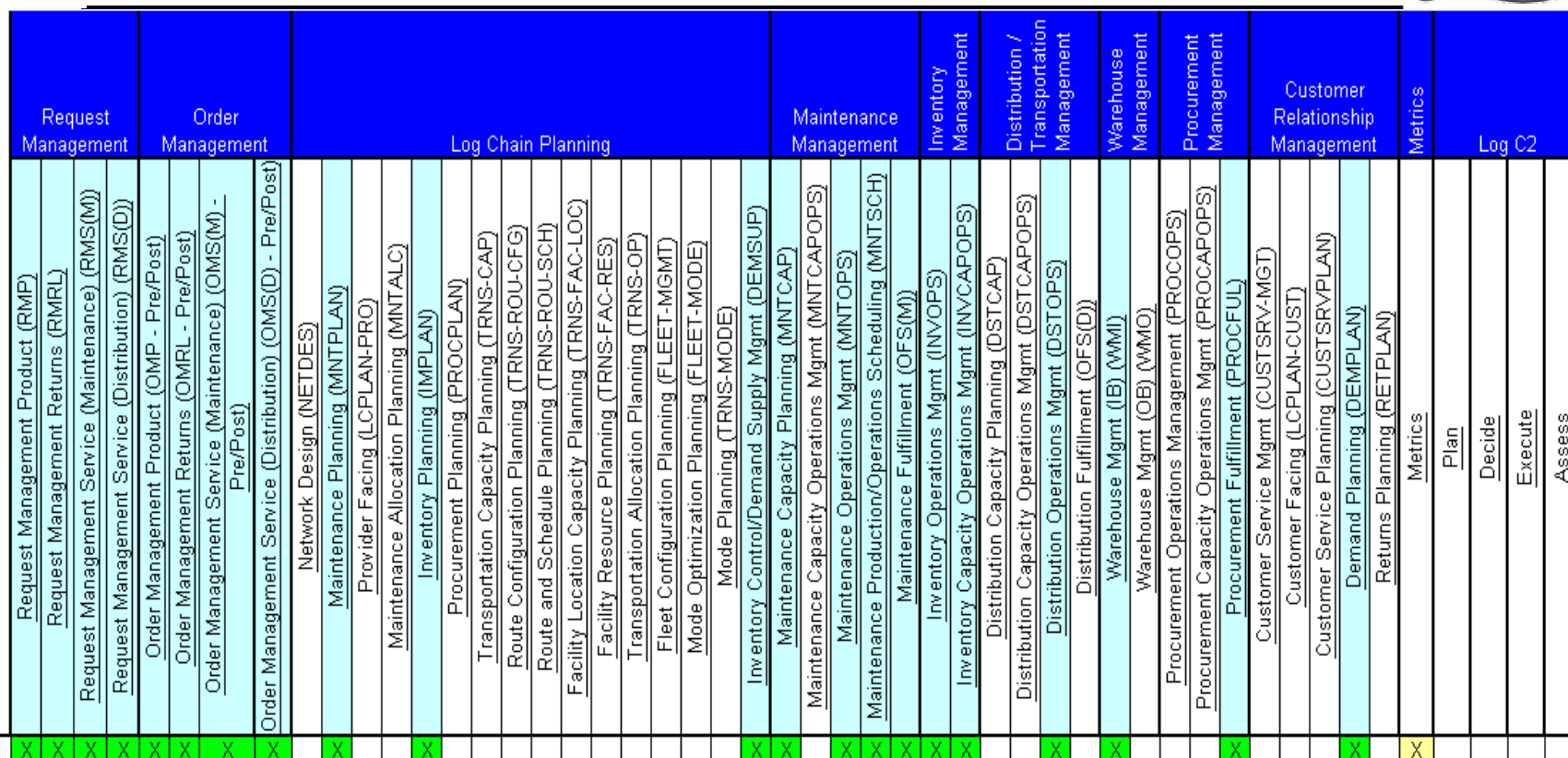
SCS (St. Louis, MO)				
FTP (VPN)				
Name	RICE Ref	Dir	Format	Freq.
Inventory	I-034	O	Flat File	Daily
Inventory	I-129	I	Flat File	Daily
Install Base	I-127	O	Flat File	Daily
Master Items	I-001	I	Flat File	Daily

TFSMS (Quantic)				
HTTPS (Web Service)				
Name	RICE Ref	Dir	Format	Freq.
Master Items	I-120	I	Flat File	Daily
BOM Item	I-119	I	Flat File	Daily
TCA Organization Hierarchy	I-018	I	Flat File	Daily
concurrent job from I-015				
Customers	I-015	I	Flat File	Daily

SASSY (St. Louis, MO)				
SFTP				
Name	RICE Ref	Dir	Format	Freq.
Sales Order	I-007	I	Flat File	Daily
Advanced Shipment Notice	I-036	O	Flat File	Daily
Inventory	I-129	I	Flat File	Daily



UNCLASSIFIED



Legend
GCSS-MC Block 1
System enables ~66-100% of that process
System enables ~33-66% of that process
System enables ~1-33% of that process
System enables ~0% of that process



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS



AMS-TAC & LTM-ITV Overview



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

Functionality

AMS-TAC V 3.1.2

- **DD Form 1384 Complete Transportation Control Movement Document (TCMD)**
- **DD Form 1907 Signature and Talley**
- **Hazmat Forms**
- **GTN via HTTPS**
- **Associate freight to a tracking device**
- **Capability to replace aRFID with pRFID**
- **Convoy Manifest**
- **Intermec Scanner with Win Mobile v5**
- **Enhanced report functions**



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

Fielding and Training

AMS-TAC V 3.1.2

- **Completion of IA**
 - ATO/ATC
 - NMCI
- **Fielding and Training**
 - **MDC**
 - Mini-DESKS
 - **Base and Stations**
 - Local install on NMCI machines
 - NETT



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

Mini-DESK

AMS-TAC V 3.1.2

- **29 Mini-Deployable Embark Sustainment Kits**
 - Recall all Mini-DESK
- **New equipment**
 - CK 61
 - Gang charger
 - USB hub
 - Power strip
 - HP printer
 - Tag writing cable
- **Tough book maintenance**
 - Upgrade software
 - Clean up hard drive
- **Revalidated requirements**
 - User pool
 - Number per Unit



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS



AMS-TAC 3.13

- Army Contract
- ISO Tag requirment



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

On Current Contract

AMS-TAC V 3.1.4

- **Pre-populate HAZMAT information on the TCMD that is associated to the National Stock Numbers (NSN).**
- **Pre-populate information on the Hazardous Declaration form from the TCMD.**
- **Global Air Transportation Execution System (GATES) interface.**
- **Portable Data Terminal (PDT) for Common Access Card (CAC) use.**
- **PDT to have the capability to read a Passive RFID tag.**



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

Functionality

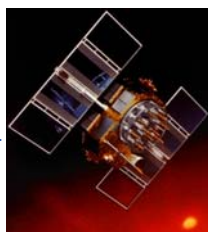
LTMITV V2.1

- **Accept transactions from AMS-TAC for Level 6 detail on Active (aRFID) and Passive tags (pRFID)**
- **Display information for Active/Passive tag data on LTMITV Web for tracking**
 - Forward aRFID data to NITV
- **Create AS1 and AS2 for supply**
 - Send transaction as currently done via Email
 - Research of transactions via DAASC
- **Web site enhancements**



KIT VTP + Iridium Modem

VTP Commands



Satellite Network

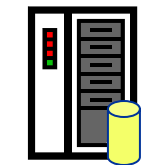
Operational
Info
(Delivery Session)



LTMIV
Location
Server

100011100
010110111
100011100
010110111
111000010

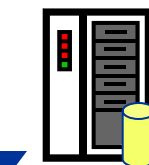
Delivery Session
Info



Operational
Repository

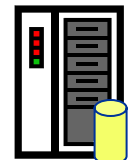
Delivery Session Info

Passive Tag Info



Passive Tag
Repository

Active Tag Info



Active Tag
Repository



LTMIV
Web Server

Passive Tag Info

Active Tag Info

Possible Archive Servers

TIP files for active tags

Level 6 Data



National ITV
Web Server

TIP files for active tags

Operational (Delivery Session) Info

TIP Files

100011100
010110111
111000010



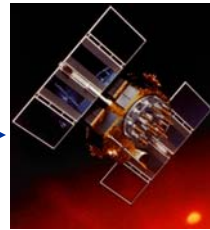
AMS-TAC

AMS-TAC sends TIP files



KIT VTP + Iridium Modem

VTP Commands



Satellite Network

Operational
(Delivery
Session)
Info

Delivery Session
Info



Operational
Repository

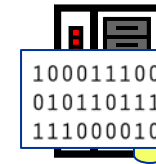
Delivery Session Info

Passive Tag Info



LTMIV
Web Server

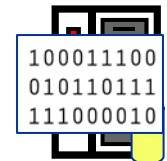
Active Tag Info



Passive Tag
Repository

Passive Tag Info

Active Tag Info



Active Tag
Repository

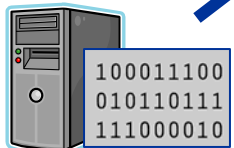
Possible Archive Servers



LTMIV
Location
Server

TIP files for active tags

Level 6 Data



National ITV
Web Server

TIP files for active tags

VTP Sends Commands

Operational (Delivery Session) Info

TIP Files

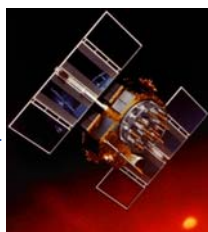


AMS-TAC



KIT VTP + Iridium Modem

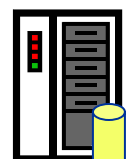
VTP Commands



Satellite Network

Operational
(Delivery
Session)
Info

Delivery Session
Info



Operational
Repository

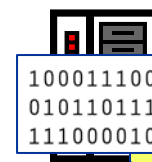
Delivery Session Info

Passive Tag Info



LTMIV
Web Server

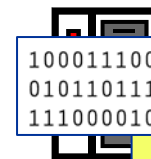
Active Tag Info



Passive Tag
Repository

Passive Tag Info

Active Tag Info



Active Tag
Repository

Possible Archive Servers



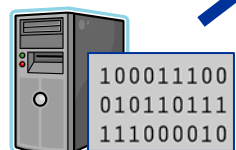
LTMIV
Location
Server

TIP files for active tags

Level 6 Data

TIP Files

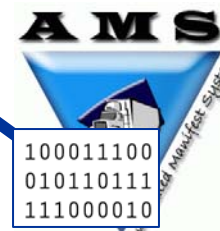
Operational (Delivery Session) Info



National ITV
Web Server

TIP files for active tags

AMS-TAC sends
Delivery Session info



AMS-TAC



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS



Locations

LTMITV v2.1

- **I MEF - 14 kits**
 - 13th MEU - 1 kit
 - 15th MEU - 1 kit
- **II MEF - 14 kits**
 - 26th MEU - 2 kits
- **III MEF - 18 kits**
 - 31st MEU - 2 kits
 - HSV - 1 kit
 - CG09 – 6 kits
- **IRAQ - 24 kits**
- **MARFORRES - 1 kit**
- **Maintenance - 0 kits**
- **Storage - 19 kits**
- **LMIT and MARCORSYSCOM - 4 kits**



MARINE CORPS SYSTEMS COMMAND
UNITED STATES MARINE CORPS

KITS

LTMITV v2.1

- **Reconfigure for Multi use**
 - On the go tracking
 - **Mobile Deployable Unit**
 - Multi powered
 - Multi communications



Transportation/Distribution Systems



Questions ?

